Celestix MSA Threat Management Gateway

Comprehensive, secure Web gateway to help protect employees from Web-based threats

Celestix MSA™ security appliances deliver Microsoft's Forefront Threat Management Gateway 2010 for unmatched multi-threat protection with industry-leading ease of use and value. Performance, reliability, and ease of deployment/management backed by expert Celestix customer support have made MSA the world's best-selling Microsoft security appliances.

Feature Summary

- Microsoft Forefront Threat Management Gateway 2010
- Seamless integration with Microsoft IT infrastructure
- Wide range of performance models
- Fully integrated and configured; ready to use right out of the box
- Web UI for easy configuration and management
- Front panel display and jog dial for easy configuration and real time status display
- One button system recovery to Last Good Version or factory defaults
- Install a comprehensive gateway solution in less than 15 minutes
- Software update system
- High reliability features: redundancy, failover, and load balancing
- Fully supported by Celestix; a single point of contact for any service issue.
- Richest feature set and highest performance available at the price

Designed for:

- The full range of enterprise network security deployments
- Scalable to meet increasing network requirements
- Maximum availability
- Seamless network and Active Directory integration
- Application publishing (reverse proxy)
- Web (URL) filtering and Internet proxy
- Network anti-virus/anti-malware scanning
- IPSec VPN gateway

Features and Benefits

Superior security gateway functionality

Microsoft's Forefront Threat Management Gateway 2010 (TMG) puts fortified layers of best-in-class security functions throughout your network to block, detect, and thwart attacks from beyond the edge, at the edge, and inside your network.

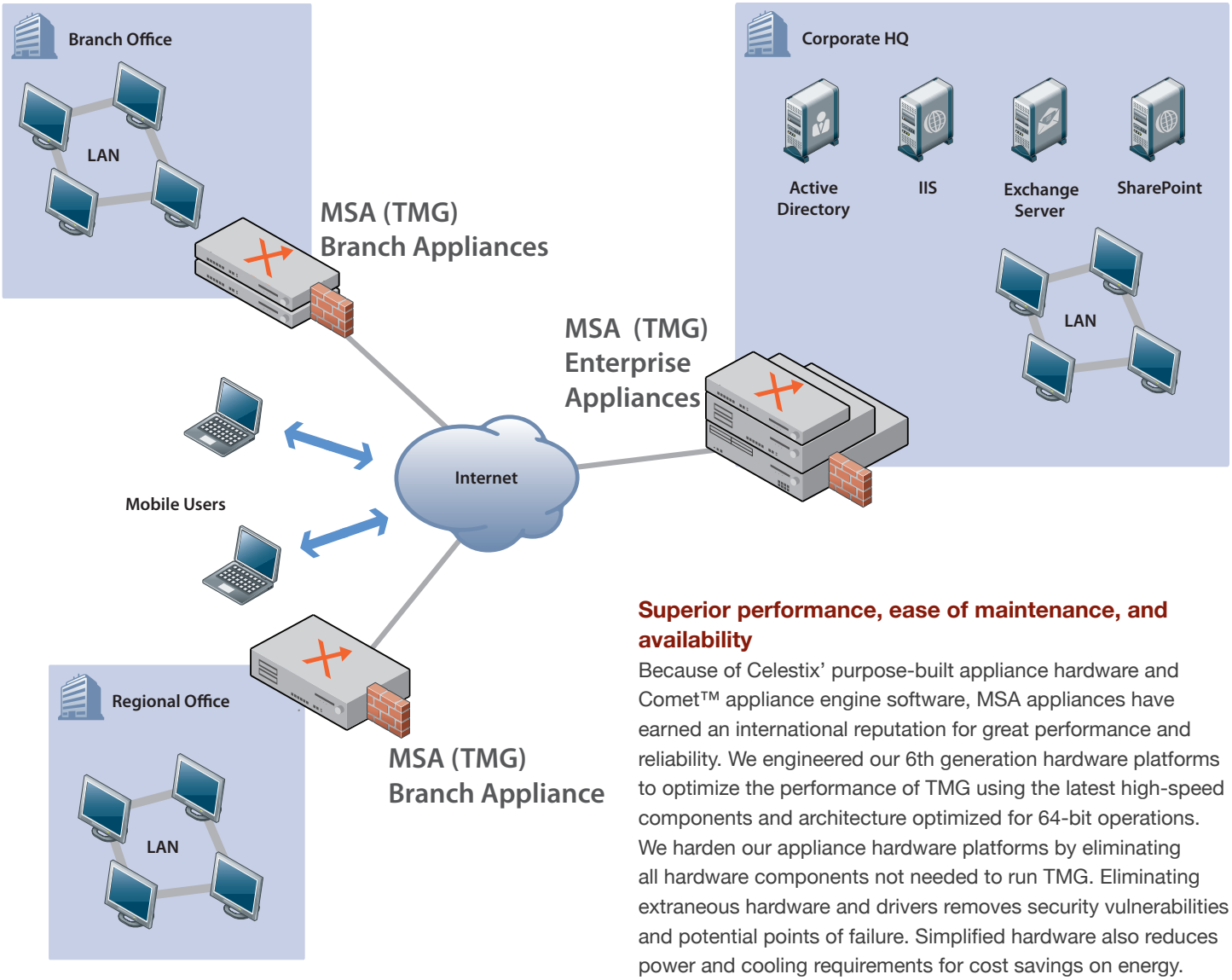
- Web (URL) filtering blocks users from visiting infected websites and lets administrators control users' access to enforce corporate Web policies.
- Web anti-virus/anti-malware security functions inspect files, scripts and all other forms of portable code to block sophisticated Web-based attacks
- Advanced application-layer firewall secures your network with layer 1-7 stateful packet inspection
- HTTPS inspection examines encrypted traffic to detect and stop malware tunneling.
- Network Inspection (intrusion detection/prevention) thwarts suspicious activity inside the firewall
- Reverse proxy permits secure application publishing
- Forward proxy permits secure Web browsing
- Caching speeds Web traffic and conserves network bandwidth
- IPSec VPN delivers secure remote user access and site-to-site connectivity
- Windows 64-bit Server 2008 R2 operating system

TMG supports the full range of Microsoft Network Access Protection with authentication using Active Directory, RADIUS, Kerberos, Celestix HOTPin™ and third-party authentication.

MSA's comprehensive security features make possible an immense number of deployment scenarios to let you keep ahead of dynamic security requirements.

MSA appliances deploy quickly and easily

Celestix delivers MSA security appliances fully integrated and configured for immediate use right from the box. Rack, connect, power, and configure your MSA for live security within 15 minutes. Celestix' Comet™ appliance engine lets you set initial configuration parameters using the MSA's jog dial and front panel display on the spot. Comet's™ web UI has set-up wizards that guide you through set up and configuration quickly and easily. For deployment questions, Celestix is your single point of contact for highly expert, prompt technical support for hardware and software.



Superior performance, ease of maintenance, and availability

Because of Celestix' purpose-built appliance hardware and Comet™ appliance engine software, MSA appliances have earned an international reputation for great performance and reliability. We engineered our 6th generation hardware platforms to optimize the performance of TMG using the latest high-speed components and architecture optimized for 64-bit operations. We harden our appliance hardware platforms by eliminating all hardware components not needed to run TMG. Eliminating extraneous hardware and drivers removes security vulnerabilities and potential points of failure. Simplified hardware also reduces power and cooling requirements for cost savings on energy.

MSA security is easy to administer

Celestix' proprietary Comet™ appliance-engine software provides MSA series appliance users with industry leading features for easy administration. Besides the jog dial and front panel display UI for headless communication with the network, Comet™ provides users with a web-based management interface for monitoring and controlling all features of Microsoft's TMG and all Celestix' MSA appliance features in a single UI.

Seamless Integration with Microsoft infrastructure

Celestix purpose builds MSA appliance platforms in close cooperation with Microsoft infrastructure experts for seamless integration with Microsoft networking components such as Active Directory, Exchange Server, SharePoint and others. MSA security appliances are the simplest and most robust way to publish enterprise applications such as email, Web services, and SharePoint services while maintaining full access control and policy enforcement.

- One button reset and Last Good Version on-box backup features let you experiment with configurations or perform recovery with little or no risk.
- Celestix' software update system sends you alerts, prescreened updates and patches for the OS, application, and appliance engine through a single convenient UI.
- MSA 6200 and higher capacity models further enhance their reliability by incorporating hot-swappable power supplies, RAID disc arrays and fans. These components have built-in redundancy so that failure of a single component will not halt the system.
- High Availability: Branch and Enterprise Edition appliances can be clustered into active/active high availability arrays.

Editions and Models

Celestix offers MSA security appliances in a wide spectrum of feature and performance configurations to meet needs that range from small businesses who have a single protected LAN to multinational enterprises that have several data centers and multiple branch offices.

License Editions

Workgroup Edition [i]
Workgroup Edition is designed for organizations with a small number of LAN's. It is ideal for companies who want to support up to 100 remote VPN users as well as Web application publishing, while simultaneously protecting a local network with a firewall that is state-of-the-art.

Standard Edition [s]
Standard Edition is useful in smaller environments which do not require load balancing or failover. It allows for more extensibility than Workgroup Edition by supporting up to 1,000 VPN users.

Branch Office Edition [b]
Branch Office Edition enhances the common features of TMG with centralized management of multiple branch office sites. Branch Office Edition supports up to 100 VPN users. MSA's with Branch Office Edition supports high availability with active/active failover and Network Load Balancing between two servers. Centralized management allows administrators to easily enforce a common firewall policy and compliance auditing throughout the enterprise.

Enterprise Edition [e] is the full-featured version of TMG for large enterprises. Enterprise Edition offers up to 4,000 concurrent VPN connections and can be deployed within manageable arrays of up to 50 appliances.

Models

MSA 3200c

The MSA 3200c is a special purpose appliance that deploys TMG Enterprise Management Server (EMS). With TMG Enterprise Edition, EMS stores the configuration and policy information for enterprise arrays. Network professionals use EMS to maintain consistent configurations and policy across multiple Enterprise Edition appliances and arrays of appliances. One EMS appliance can support a virtually unlimited number of Enterprise or Branch edition TMG appliances. High availability deployments require two EMS appliances.

MSA 3200

Celestix engineers designed model MSA 3200 security appliances for medium size deployments of 100 to 500 users. MSA 3200 appliances increment hardware performance with an Intel Core 2 Duo processor. Enhanced processor power and memory ensure that the maximum recommended number of users supported by the MSA 3200 will not experience a degradation in performance.

- MSA 3200i includes TMG Workgroup Edition.
- MSA 3200b includes TMG Branch Office Edition.

MSA 4200

Celestix designed MSA 4200 security appliances for deployments with 500 to 1,000 users. It uses a Core 2 Duo processor to ensure that the larger number of users continues to enjoy high performance.

- MSA 4200i includes with TMG Workgroup Edition.
- MSA 4200b uses TMG Branch Office Edition.

MSA 5200

MSA 5200 security appliances are built to support 1,000 to 2,500 users with a Xeon Quad Core processor with 1333MHz Front Side Bus.

- MSA 5200s includes TMG Standard Edition.
- MSA 5200e includes TMG Enterprise Edition.

MSA 6200

For an added measure of availability, choose the MSA 6200. The MSA 6200 is a high-reliability security system intended for mission critical applications in large enterprises. Celestix packaged MSA 6200 security appliances in a 19" 1U chassis with redundant dual power supplies and a RAID 1 disk array. All disks, power supplies and fans are hot-swappable with built in redundancy.

- MSA 6200s includes TMG Standard Edition.
- MSA 6200b includes TMG Branch Office Edition.
- MSA 6200e includes TMG Enterprise Edition.

MSA 8200

MSA 8200 is Celestix high-performance appliance. Built on the new Celestix H2 appliance hardware platform, dual Quad-Core Intel Xeon 5500 Series (Nehalem Architeture) processors provide ample performance for the most demanding large-enterprise deployments with up to 8,000 users. The MSA 8200 is a high availability 2U appliance with a four-disk RAID 5EE array, dual power supplies and hot-swappable disks, and fans.

- MSA 8200e includes TMG Enterprise Edition.

Hardware	MSA 1500 series	MSA 3200 series	MSA 4200 series	MSA 5200 series	MSA 6200 series	MSA 8200 series
Security Application	All-in-one Threat Management (Firewall, VPN, Web proxy, Web anti-virus, Web anti-malware, E-mail security, Network Inspection System)					
Ideal for	Small businesses or office with less 100 users requiring an affordable, integrated security appliance with unmatched ease of use	Small businesses requiring an affordable, integrated security appliance with unmatched ease of use	Small businesses/ branch offices requiring an affordable, integrated appliance that grows with their needs	Medium enterprises needing high performance, advanced networking features, and strong security solutions.	Medium enterprises/ main offices that need strong security and a solution that offers business continuity.	Main offices/headquarters with up to 5,000 users that need high availability, enterprise-grade performance & security.
TMG 2010 Ed	Workgroup Branch	Workgroup Branch	Workgroup Branch	Standard Enterprise	Standard Branch Enterprise	Enterprise
Recommended Users	**100** users	**100 - 500** users	**500 - 1,000** users	**1,000 - 2,500** users	**3,000 - 6,000** users	**up to 10,000** users
OS	Windows Server 2008					
CPU	Intel® Celeron	Intel® Core 2 Duo	Intel® Core 2 Duo	Quad Core Intel® Xeon®	Intel® i5	2 x Quad-Core Intel® Xeon® Nehelam
Memory	2GB	4GB	4GB	8GB		12GB
L2 Cache	512KB	3MB	6MB	6MB		2x3MB
Front Side Bus	800MHz	1066MHz	1333MHz	1333MHz		Quick Path
Hard Drive	SATA-II 300GB Available Storage (1 x 320GB Hard Drive)		SATA-II 120 GB Available Storage (2 x 160GB Hard Drive)	SATA-II 300GB Available Storage (1 x 320GB Hard Drive)	SATA-II 300GB Available Storage (2 x 320GB Hard Drive)	SATA-II 300 GB Available Storage (4 x 160GB Hard Drive)
Disk Mirror Hardware RAID	-		RAID 1 (Software)	-	RAID 1	RAID 5EE
10/100/1000 Ports	6					8 (with 10 Gbe ports option)
Power Supply	220W				2 x 220W	2 x 460W
Form Factor	1U					2U
Dimensions ((H x W x D) inch	1.75" x 16.9" x 12.25"			1.75" x 17.5" x 15.7"	1.75" x 17.3" x 15.6"	3.5" x 17.4" x 26"

Microsoft TMG Edition Comparison

TMG Edition	Workgroup Edition (i)	Standard Edition (s)	Branch Edition (b)	Enterprise Edition (e)
Available Model	MSA 3200i MSA 4200i	MSA 5200s MSA 6200s	MSA 3200b MSA 4200b MSA 6200b	MSA 5200e MSA 6200e MSA 8200e
Business Needs	Workgroup Edition is designed for organizations with a small number of LAN's. It is ideal for companies who want to support up to 100 remote VPN users as well as Web application publishing, while simultaneously protecting a local network with a firewall that is state-of-the-art.	Standard Edition is useful in smaller environments which do not require load balancing or failover. It allows for more extensibility than Workgroup Edition by supporting up to 1,000 VPN users.	Branch Office Edition enhances the common features of TMG with centralized management of multiple branch office sites. . Centralized management allows administrators to easily enforce a common firewall policy and compliance auditing throughout the enterprise.	Enterprise Edition is the full-featured version of TMG for large enterprises. Enterprise Edition offers up to 4,000 concurrent VPN connections and can be deployed within manageable arrays of up to 50 appliances.
NLB Array Size	n.a.	n.a.	2	8
Max. VPN Connection	100	1,000	100	4,000

For more information about MSA appliances, contact Celestix today at:

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Part number: DS-MSAUS-02